

Date: Sat, 18 Dec 93 17:00:42 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1475
To: Info-Hams

Info-Hams Digest Sat, 18 Dec 93 Volume 93 : Issue 1475

Today's Topics:

 Anyone Have Source code for MUF?
 Arizona repeater info needed
 Generating a DPL
 HDN Releases
 Help on USA Ham-prefix !
 Mailing lists?
 Need favor of international call lookup.
 Optimum call sign for CW/contests?
 Reference for xmit tubes?
 Request info on Model NC-173
 SWR tweeking: Details, details...
 what was the telnet address for the ham/call database??
 Where are all the young enthusiasts? (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 Dec 93 08:41:18 GMT
From: ogicse!emory!europa.eng.gtefsd.com!howland.reston.ans.net!
 usenet.ins.cwru.edu!cleveland.Freenet.Edu!da884@network.ucsd.edu
Subject: Anyone Have Source code for MUF?
To: info-hams@ucsd.edu

I'm looking for source code to display the MUF, anyone one have any besides
MINIMUF4???

Would like the source in Basic.

Thanks..

Date: Tue, 14 Dec 1993 17:01:16 GMT
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!gatech!asuvax!
ennews!anasaz!john@network.ucsd.edu
Subject: Arizona repeater info needed
To: info-hams@ucsd.edu

paulc@fc.hp.com (Paul Christofanelli) writes:

>Hello all,

>I will be traveling from Colorado to Arizona by way of Utah (Moab,
>Monument Valley, Canyon De Chelly, I-40, Flagstaff, Phoenix) in a few
>weeks. I'd like to be able to use 2M (or 440) to contact Phoenix along
>the way. I've heard of the Northlink system, and ZIA. Do either of
>these get into Phoenix? It appears from the repeater directory that Zia
>does, but I don't think it covers northern Arizona. On the other hand,
>Northlink might not get into Phoenix.

Northlink covers Phoenix like a glove. However, we lost our Flagstaff
site (they raised the rent from \$50/yr to \$280/mo!). Northlink frequencies
you may be able to use are:

Navajo Mtn (Northern Navajo reservation) 442.075/147.32
(currently not on link until we get our link on
a new site)

Grand Canyon 442.075/147.32

Mingus Mtn (50 mi south of Flagstaff along I-17) 442.150

Towers Mtn (45 mi north of Phoenix along I-17) 449.175

South Mtn (overlooks Phoenix) 442.075

White Tanks Mtn (40 mi W of Phoenix) 441.675

Telegraph Pass (Yuma): 441.8

Note: 2 meter repeaters not on link except by user command. 440 repeaters
may require PL of 100 Hz but the system IS an open system.

You can read more about Northlink in the November issue of Nuts and Volts
(cover article).

>In any case, any info you might be able to share would be much
>appreciated.

See above. Feel free to use the system. I am one of the owners.

--

DISCLAIMER: These views are mine alone, and do not reflect my employer's!

John Moore 7525 Clearwater Pkwy, Scottsdale, AZ 85253 USA (602-951-9326)
john@anasazi.com Amateur call:NJ7E Civil Air Patrol:Thunderbird 381
Get into Ham Radio today! Morse Code no longer needed! It's a hobby, a sport, a
convenience, a technical challenge, a public service. Go rec.radio.amateur.misc

Date: Thu, 16 Dec 1993 13:48:27 -0500
From: cis.ohio-state.edu!news.sei.cmu.edu!bb3.andrew.cmu.edu!andrew.cmu.edu!
ns1g+@uunet.uu.net
Subject: Generating a DPL
To: info-hams@ucsd.edu

HI quick question for you, is there anyway I can generate and DPL or Digital
sqelch tone using an Icom-24at?

-nate

Date: Wed, 15 Dec 1993 21:31:11
From: sdd.hp.com!usc!math.ohio-state.edu!magnus.acs.ohio-state.edu!
usenet.ins.cwru.edu!eff!news.kei.com!news.oc.com!utacfd.uta.edu!rwsys!ocitor!
FredGate@network.ucsd.edu
Subject: HDN Releases
To: info-hams@ucsd.edu

The following files were processed Wednesday 12-15-93:

HAMNEWS [HAM: Bulletins and Newsletters]

ANART787.LZH (3761 bytes) ANART Bulletin 785 11/29/93
ARLD067.LZH (1798 bytes) ARRL DX Bulletin 12/09/93
ARLP049.LZH (1113 bytes) ARRL Propagation Bulletin 12/10/93
NEWS852.LZH (7946 bytes) NewsLine 12/10/93
RACES303.LZH (1046 bytes) RACES Bulletin # 303 12/06/93
RTDX1210.LZH (1679 bytes) RTTY DX Bulletin 12/10/93

17343 bytes in 6 file(s)

HAMSAT [HAM: Satellite tracking and finding programs]

OBS344.LZH (2865 bytes) Amsat Orbital Elements # 344
12/10/93

2865 bytes in 1 file(s)

Total of 20208 bytes in 7 file(s)

Files are available via Anonymous-FTP from ftp.fidonet.org
IP NET address 140.98.2.1

Directories are:

- pub/fidonet/ham/hamnews (Bulletins)
- /hamant (Antennas)
- /hamsat (Sat. prg/Amsat Bulletins)
- /hampack (Packet)
- /hamelec (Formulas)
- /hamtrain (Training Material)
- /hamlog (Logging Programs)
- /hamcomm (APLink/JvFax/Rtty/etc)
- /hammods (Equip modification)
- /hamswl (SWBC Skeds/Frequencies)
- /hamscan (Scanner Frequencies)
- /hamutil (Operating aids/utils)
- /hamsrc (Source code to programs)
- /hamdemo (Demos of new ham software)
- /hamnos (TCP/IP and NOS related software)

Files may be downloaded via land-line at (214) 226-1181 or (214) 226-1182.
1.2 to 16.8K, 23 hours a day .

When ask for Full Name, enter: Guest;guest <return>

lee - wa5eha
Ham Distribution Net

* Origin: Ham Distribution Net Coordinator / Node 1 (1:124/7009)

Date: Wed, 15 Dec 1993 18:37:58 GMT
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!
usenet.ins.cwru.edu!news.csuohio.edu!garfield.csuohio.edu!mike@network.ucsd.edu
Subject: Help on USA Ham-prefix !
To: info-hams@ucsd.edu

etjfonte@ci.ua.pt (J.FONTI) writes:
: Hello , tanks for reading ... Is there anyone who could explain me how
: do american ham see the difference on Callsigns ???

:
Jose,

In the USA, all ham callsigns start with A, K, N, or W. As far as I know, there is no meaning to the first character, they get assigned serially. US callsigns start with 1 or 2 letters, then a single digit. This can be 0 thru 9 and represents (usually) the region of the US where the licensee was issued his/her ham license. For example, 8 is Michigan and Ohio. Now, Alaska callsigns start with KA, Hawaii starts with KH, so in those types of cases there is meaning to the actual letters. Also, the 'quantity' of letters in a US callsign mean something (or at least traditionally). If I remember correctly, for example:

KA0ABC = Novice
KA0AB = Technician/General
K0ABC = Advanced
K0AB or KA0B = Amateur Extra

I think those are approximately correct, but I understand that as more and more hams apply for licenses, particularly Novice, Tech, and General, the FCC has borrowed callsign length conventions from other classes of ham licenses, so that now becomes less an indicator of the amateur class of the operator you are talking to. Also, as you move up to more advanced classes, you can get a new callsign, but probably for both convenience and sentimental reasons a lot of hams hang on to the callsign of their first license.

Hope this helps.

Mike

:

--

___-__-^^^---__-__-^^^---__-__-^^^---__-__-^^^--- Catch The WAVE ---___
Michael Mayer, Senior Technical Support Engineer
Visual Numerics, Inc. 32915 Aurora Rd. Suite # 160, Solon, OH, 44139 USA
Email: mayer@pvi.com Human: 216/248-4900 Fax: 216-248-2733

Date: 18 Dec 93 19:18:50 GMT
From: ogicse!uwm.edu!spool.mu.edu!sgiblab!wetware!kaiwan.com!dab@network.ucsd.edu
Subject: Mailing lists?
To: info-hams@ucsd.edu

73 de Doug

— — —

Date: 17 Dec 93 22:57:26 GMT
From: ogicse!cs.uoregon.edu!sgiblab!darwin.sura.net!mojo.eng.umd.edu!
mebly@network.ucsd.edu

Subject: Optimum call sign for CW/contests?
To: info-hams@ucsd.edu

In article <CI72Ip.7uF@srigenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Jay Maynard (jmaynard@nyx10.cs.du.edu) wrote:
>: In article <CI3KDB.CK2@srigenprp.sr.hp.com>, Alan Bloom <alanb@sr.hp.com> wrote:
>: >For CW, pick the shortest possible call ...
>
>: I'd beg to differ a bit on this one; I ran FD this year as N5TM, and I found
>: myself getting beaten out by folks with longer calls who were the last ones
>: replying to a CQ.
>
>So just send the short call twice. (It works with N1AL!)
>
Or, delay between 1/2 and 1 second (or a bit less with fast ops) if the
pileup is really huge.

BTW, I like the alternating rhythm -... ..- -... :-)

I disagree with the ending in dit "problem." I never get KD4N. An E
anywhere is a problem though. And, personally, I dislike H.

I got to use K4FR a few times for field days. That one sure sounded good!

--

Mark Bailey	KD4D	Motto: Life's too short to drink cheap beer.
mebly@eng.umd.edu		Disclaimer: I didn't really say this.

Date: Thu, 16 Dec 1993 17:49:36 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!europa.eng.gtefsd.com!
darwin.sura.net!fconvx.ncifcrf.gov!fcs260c!mack@network.ucsd.edu
Subject: Reference for xmit tubes?
To: info-hams@ucsd.edu

In article <CI3G1o.9xI@srigenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>Mark Olson (molson@bml4380.cpg.cdc.com) wrote:
>
>: Can anyone point me to a reference for transmitting tubes?
>: I used to have the RCA Transmitting Tube Manual but it
>: took the long hike with a lot of my other "old" stuff.
>
>: Now I need information about the 4X and 4CX series
>: of xmit tubes: 4X150 series, 4CX250 and 4CX350 series,
>: and I cannot find anything but cursory information

>: about these.

>

>The ARRL Handbook has short-form info on some transmitting tubes.

>At least the basing diagrams and voltages and currents. The older

>editions (up to the late 70's) have more info than the current ones.

>

>AL N1AL

>

Call up Eimac or Varian (I don't know which I'm sorry). Not only will they send you the specs, but they have application guides for the tubes, sometimes with circuits for ham bands.

Joe NA3T

mack@ncifcrf.gov

Date: 17 Dec 93 13:09:57 GMT

From: ogicse!cs.uoregon.edu!usenet.ee.pdx.edu!not-for-mail@network.ucsd.edu

Subject: Request info on Model NC-173

To: info-hams@ucsd.edu

Hello,

I have an old tube rig that has Model NC-173 on the front. It also has two stickers on the bottom. One is a warrenty, the other states that it was made January, 1 1946 by the Hazeltine Corporation National Company. I would appreciate any information on what type of radio I have and if someone might have a copy of an operators manual which I could get copies of. Schematics would be great also. Thanks for any information anyone can offer. Please either post responce here or E-mail me directly at:

robertm@uplherc.upl.com or robertm@ursula.ee.pdx.edu

thanks and 73,

Rob Mohr

Date: 16 Dec 93 15:26:10 EST

From: ucsnews!sol.ctr.columbia.edu!news.kei.com!world!ksr!jfw@network.ucsd.edu

Subject: SWR tweeking: Details, details...

To: info-hams@ucsd.edu

gereiswi@nmsu.edu (George S. Reiswig) writes:

> A question for all you techno-whizzes out there: When measuring

>the SWR with (guess what) an SWR meter, is it really crucial to place the

>meter between the feed line and the antenna, or can you put it between the
>transmitter and the feed line? Would the latter yield spurious readings?

It depends on just what you want to measure.

If you want to trim your antenna to be exactly $50+0j$ ohms at your frequency of interest, then you have to measure the SWR between the feed line and the antenna. If you just want to know what mismatch your transmitter is seeing, without any intention of doing anything about it, you must put it between the transmitter and the feedline (because the SWR measured there will be lower than what is seen at the antenna, due to feedline losses). If you want to just adjust your transmatch for a $50+0j$ ohm load at the transmitter terminals, then you have to put it between the transmitter and the transmatch. Note that in this last case, a 50 ohm SWR bridge between the transmatch and antenna will not read 1:1 in the matched case, though it may change what it reads as you tune: being designed to work with $50+0j$ impedances, it will (in fact) not be accurate when neither the source nor the load is 50 ohms. Yes, it's still connected to 50 ohm coax on both sides, but since the other end of both coaxes is mismismatched (the antenna on one, the output end of the transmatch at the other), the load seen is not 50 ohms.

Note that you can make good use of most SWR meters by placing them after the transmatch (but still in the shack :-): since most SWR meters will also act as simple forward power meters, you can simply adjust your transmatch for maximum forward power (which is the situation that you want). Note that with a high SWR it will tell you the power is higher than what your transmitter claims to be putting out, sometimes substantially higher. That's because much (or most) of that power is being reflected right back down the feedline by the mismatched terminating impedance, only to be sent right back by the conjugate match at the transmatch.

Get _Reflections_ by Walt Maxwell (published by the ARRL).

John, WB7EEL

Date: 17 Dec 93 19:47:34 GMT
From: ogicse!uwm.edu!wupost!wuecl.wustl.edu!cec3!j1w3@network.ucsd.edu
Subject: what was the telnet address for the ham/call database??
To: info-hams@ucsd.edu

M Blake Schreckenbach (blake@lonestar.utsa.edu) wrote:
: like the subject asks. also the port numbers.
: 73s

Try "telnet callsign.cs.buffalo.edu 2000"

Date: 17 Dec 93 20:12:25 GMT
From: ogicse!hp-cv!sdd.hp.com!col.hp.com!srigenprp!alanb@network.ucsd.edu
Subject: Where are all the young enthusiasts?
To: info-hams@ucsd.edu

Kenneth E. Harker (kharker@bnr.ca) wrote:

: I'm a college student as well, and as far as I know, the first active
: student ham Dartmouth College has had in several years. We do have a
: club station, but that has stayed alive only because of a faculty member
: who is a ham has taken care of it.

I bet there have been/are other enthusiastic hams you just haven't heard about. When I was in college, we tried to get a ham club going. Although there were a number of "active" hams, none of them had the time to devote to a club (or even operating, in most cases). If you go to an academically challenging university, your studies don't leave much free time.

AL N1AL

Date: 17 Dec 93 20:06:17 GMT
From: ogicse!hp-cv!sdd.hp.com!col.hp.com!srigenprp!alanb@network.ucsd.edu
Subject: Where are all the young enthusiasts?
To: info-hams@ucsd.edu

Scott Swanson (sds@cs.brown.edu) wrote:

: So why did I pick up my ticket? What's in it for me, ...

: (1) Emergency service. Maybe I'm weird, but I *like* public service,
: and the concept of being useful in a bona fide emergency really
: gives me a sense of -- well, pride and worth (not to be too
: corny or anything ;)

Surprisingly enough, this is a big draw to get people into amateur radio. The application sheet for our local ham club has boxes to check off for what areas the new member is interested in. The RACES/ARES (emergency communications) and Public Service Communications boxes are far and away the most commonly-checked items.

I had always thought that participating in RACES was considered an unpleasant chore that you had to do to "pay" for the fun you have doing other more interesting things in amateur radio. Evidently most people

see it as one of the most fulfilling areas in the hobby.

AL N1AL

Date: 17 Dec 1993 15:30:44 -0500
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!
cs.utexas.edu!howland.reston.ans.net!news.intercon.com!panix!not-for-
mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <2ear03\$ssg@panix.com>, <1993Dec13.170402.29209@ke4zv.atl.ga.us>,
<N4HY.93Dec17132614@wahoo.ccr-p.ida.org>nix
Subject : Re: ARRL's callsign admin position

In article <N4HY.93Dec17132614@wahoo.ccr-p.ida.org>,
Bob McGwier <n4hy@wahoo.ccr-p.ida.org> wrote:
>
>
>Mendelsohn, whether you like or hate him, does NOT choose
>exclusively yes men for his cabinet.
>

Or yes *women*...

And the meetings often include heated discussions. Steve rarely states a
position before discussion, and as far as I can tell has always faithfully
represented the will of the cabinet.

-Andy-
--

----- Andrew Funk, KB7UV -----
| President, Tri-State Amateur Repeater Council (TSARC) |
| ENG Editor/Microwave Control, WCBS-TV Channel 2 News, New York |
| Internet: kb7uv@panix.com Packet: kb7uv@kb7uv.#nli.ny.usa |

Date: 15 Dec 1993 15:19:29 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!
swrinde!dptspd!TAMUTS.TAMU.EDU!furuta@network.ucsd.edu
To: info-hams@ucsd.edu

References <\$arlb116.1993@ampr.org>, <D>,
<1993Dec15.140942.11905@cs.brown.edu>ston
Subject : Re: ARLB116 Pick your call sign

In article <1993Dec15.140942.11905@cs.brown.edu>,
Michael P. Deignan <md@maxcy2.maxcy.brown.edu> wrote:
>I would think that the FCC should be more concerned with reducing the
>lag time it takes to process amateur radio licenses in general (something
>that would benefit all amateurs) rather than something silly like
>"vanity callsigns" (something that will only benefit the few vain
>enough to want a call with their initials).

Perhaps you missed the original discussion about the FCC's new
computer system some number of months ago in which one of the stated
benefits was a dramatic reduction in license processing time. I
believe the stated target was in the one to two week range.

Can someone who remembers the details better remind us what the new
computer system is supposed to provide for us? Also can someone
supply the particulars on how it is being implemented (hardware,
software) and by whom?

Another question that comes to my mind is if indeed the processing
time for licenses is due to drop dramatically, what is the need for the
instant licensing procedure? Certainly if the FCC is clearing
applications almost "instantly", one would not expect that they would
continue to have problems with people calling to find out where their
paperwork is.

--Rick
KE3IV

Date: Wed, 15 Dec 1993 15:45:29 GMT
From: brunix!maxcy2.maxcy.brown.edu!md@uunet.uu.net
To: info-hams@ucsd.edu

References <D>, <1993Dec15.140942.11905@cs.brown.edu>,
<2en9u1\$ptp@TAMUTS.TAMU.EDU>
Subject : Re: ARLB116 Pick your call sign

In article <2en9u1\$ptp@TAMUTS.TAMU.EDU>, furuta@cs.tamu.edu (Richard Furuta)
writes:

|> Perhaps you missed the original discussion about the FCC's new
|> computer system some number of months ago in which one of the stated
|> benefits was a dramatic reduction in license processing time. I
|> believe the stated target was in the one to two week range.

Since the VEC system adds upwards of 20 days to the license
processing time, I doubt that we will ever see a 1-to-2 week

range.

MD

--

-- Michael P. Deignan

-- Population Studies & Training Center

-- Brown University, Box 1916, Providence, RI 02912

-- (401) 863-7284

End of Info-Hams Digest V93 #1475
